IDEATION PHASE

LITERATURE SURVEY

DATE	16 October 2022
TEAM ID	PNT2022TMID12375
PROJECT NAME	AI-Based Localization And Classification Of Skin Disease With Erythema

Literature Survey :

S. No	Title& Author	Year	Technique	Proposed System
1	The predictive model of dermatology using decision tree combined with neural network classification methods Author :Chang and Chen	2009	ArtificialNeural Networkand SVM	The model implementation processes: (i) Data preparation (ii) Model development and (iii) Model validation. In data preparation step, we prepare the data to feed it to the models. Two mutually exclusive datasets, a training dataset comprising 73% of the total dermatology dataset, and a testing dataset of 27% are created. Classification techniques are applied on this data. Out of 365 numbers of instances in dermatology dataset, 266 instances are taken as training set and 99 instances are taken as testing set. In model development and model validation steps, a classification model with desired accuracy is first developed then by feeding testing data, accuracy of the various developed models are measured using error measures like accuracy, sensitivity, and specificity.

2	A predictive model to predict the final outcome of a seriously injured patient after an accident. Author : Theodorali	2010	data mining techniques using classification, clustering, and association algorithms	Study included patients from a range of 30 teaching, and general hospitals who were admitted with a primary diagnosis of injury. Information was gathered for these trauma patients admitted for at least one day in hospital. To avoid biasing estimates, persons who arrived dead or died at the Emergency Room of each hospital were excluded from the analysis. The data and injury scoring was performed by a highly-trained coordinator
3	women thyroid prediction using data mining techniques. Author : Yadav and Pal	2019	Data mining techniques, Ensemble techniques, decision tree.	In this paper two main techniques are proposed for mining the hidden pattern in the dataset. Ensemble-I and Ensemble-II both are machine learning techniques. Ensemble-I generated from decision tree, over fitting and neural network and Ensemble-II generated from combinations of Bagging and Boosting techniques. Finally proposed experiment is conducted by Ensemble-I vs. Ensemble-II.

References

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6948879/
https://www.scirp.org/html/2378.html
https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3298343